

SOSIPATROVA, G.P.

Foraminifers from Upper Paleozoic sediments in the Taymyr Peninsula.
Sbor.st.po paleont.i biostrat. no.30:35-72 '62. (MIRA 16:12)

SOSIPATROVA, G.P.

Distribution of Foraminifera in Upper Paleozoic sediments
of the Taymyr Peninsula. Sbor. st. po paleont. i biostrat.
no.31:52-71 '63. (MIRA 16:11)

POPOV, Yu.N.; SOLOMINA, R.V.; SOSIPATROVA, G.P.

Some data on Carboniferous sediments in the lower Lena Valley.
Uch. zap. NIIGA. Ser. "Paleont. i biostr." no.6:5-11 '64.
(MIRA 18:12)

1. SOSIS, P.M.
2. USSR (600)
4. Deformations (Mechanics)
7. Computing frames by the method of accelerated unit deformations, Dop. AN URSR no. 5, 1950.
9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

SOSIS, P.M., kandidat tekhnicheskikh nauk (Kiyev)

Methods of calculating statically indeterminate rod systems. Issledovaniia po teorii soorushenii. Sbornik statei no.6:257-288 '54. (MLRA 7:11)
(Structures, Theory of) (Strains and stresses) (Elastic plates and shells)

SOSIS, P.M.; KHAKALO, B.P.; DANILKINA, N., red.; IOAKIMIS, A., tekhn.red.

[Calculation of continuous and crossed girders] Raschet nerazreznykh
i perekrestnykh balok. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit.
USSR, 1958. 161 p. (MIRA 11:6)
(Girders)

SOSIS, P.M. (Kiyev)

Solution of n-term equations in the theory of structures by the
method of redistribution of initial values of unknowns. Prikl. mekh.
5 no. 4: 448-454 '59. (MIRA 13:3)

1. Proyektstal'konstruktsiya Ministerstva stroitel'stva USSR.
(Differential equations)

SOSIS, P.M. (Kiyev)

Mechanization of engineering calculations at computing centers.
Stroi.mekh.i rasch.soor. 2 no.3:45-50 '60.
(MIRA 13:6)

(Kiev--Electronic calculating machines)

SOSIS, Petr Moiseyevich; SLIN'KO, B.I., red.; ZELENKOVA, Ye.Ye.,
tekh. red.

[Mechanization of the design of structures according to
standard programs] Mekhanizatsiia raschetov sooruzhenii po
tipovym programmam. Kiev, Gos. izd-vo lit-ry po stroit. i
arkhit. USSR, 1961. 153 p. (MIRA 15:2)
(Electronic calculating machines) (Engineering)

9,7000

S/044/62/000/008/071/073
C111/C333

AUTHOR: Sosis, P. M.

TITLE: A method for the putting up of programs for calculations of the engineer

PERIODICAL: Referativnyy zhurnal, Matematika, no. 8, 1962, 65, abstract 8V383. ("Issled. po teorii sooruzh.", no. 10, M., Gosstroyizdat, 1961, 279-286)

TEXT: A method basing on the use of simple notations is proposed for the putting-up of programs for the calculations on electric computers with keys. It is pointed to the fact that such a program can easily be translated into the language of electronic computers, An example for the putting up of a program is given.

[Abstracter's note: Complete translation.]

Card 1/1

S/044/62/000/009/068/069
A060/A000

7.7000
AUTHORS: Sosis, P.M., Remennik, Zh.M.

TITLE: Programming of engineering problems for digital electronic computers

PERIODICAL: Referativnyy zhurnal, Matematika, no. 9, 1962, 64, abstract 9V396 ("Visnyk Akad. bud.-va i arkhitekt. URSR", 1962, no. 1, 36 - 40, 65 - 68; Ukrainian; Russian, Chinese, English, French and German summaries)

TEXT: A draft program takes into account the limitations of the operating memory storage and the necessity of scaling for electronic fixed decimal-point computers. The construction of draft programs does not require special knowledge in the field of programming. The translation of the draft program into machine code in terms of addresses and the construction of the working program is carried out by a mathematician-programmer according to the rules set forth in the article. A draft (and its corresponding addressed) program for the solution of systems of linear equations, as well as a typical program for the

Card 1/2

Programming of engineering problems for

S/044/62/000/009/068/069

A060/A000

static analysis of indeterminate rod systems are considered. According to the method set forth, programs are elaborated for the analysis of various types of plates, shells, gaging systems and even solutions of engineering problems for use on the electronic computer "Kiyev". Programs for the machine M-20 are also set up.

Author's summary

[Abstracter's note: Complete translation]

Card 2/2

AM4035369

BOOK EXPLOITATION

8/

Dmitriyev, Leonid Georgiyevich; Sosis, Petr Moiseyevich

Programming in the design of spatial structures (Programirovaniye rascheta prostranstvennykh konstruktsiy), Kiev, Gosstroyizdat USSR, 1963, 225 p. illus., biblio. 4,000 copies printed. (At head of title: Zonal'nyy nauchno-issledovatel'skiy i proyektnyy institut tipovogo i eksperimental'nogo projektirovaniya zhilykh i obshchestvennykh zdaniy Goskomiteta po grazhdanskomu stroitel'stvu i arkhitekture pri Gosstroye SSSR).

TOPIC TAGS: civil engineering, spatial structure, construction, electronic computer, ALGOL-60, algorithm, linear equation, computer programming, structural mechanics

PURPOSE AND COVERAGE: The book gives numerical methods of calculating buildings using modern digital machines (electric and electronic). Great attention is given to analysis of the algorithmic languages, problems of creating machine algorithms, and the technology of programming. Application of economic organization of the memory of electronic computers based on a study of the features of the matrix structure that are characteristic for problems of structural mechanics and applied elasticity theory are proposed. The algorithmic language ALGOL-60 is used to develop a number of programs for systems of linear equations of certain structures and the

Card 1/3

AM4035369

general programs of calculating spatial systems in a nonlinear position are given. The book is intended for engineers, designers, researchers, and students in civil engineering. The general part of the book relating to problems of programming, solution of linear equations of structural mechanics, etc. can be used by specialists in ship building, aviation and machine building industries.

TABLE OF CONTENTS [abridged]:

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Ch. II. Solution of systems of linear equations of structural mechanics on electronic computers --	75
Ch. III. Languages used in programming --	16
Ch. IV. Spatial structures --	94
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Card 2/3

AM4035369

Ch. X. Translation of programs from the ALGOL-60 language to the computer
language -- 212
Bibliography -- 223

SUB CODE: MA, DP

SUBMITTED: 02Dec63

NR REF SOV: 073.

OTHER: 004

DATE ACQ: 16Apr64

Card 3/3

SOLOV, P.M., kand. tekhn. nauk (Kiyev)

Methods of solving linear equations with slightly-filled
matrices of the coefficients on electronic digital computers.
Issl. po teor. sooruzh. no.12:281-287 '63. (MIRA 16:6)

(Linear equations)
(Electronic digital computers)

SOSIS, P.M. (Kiyev)

Use of electronic computers in solving systems of linear
equations with defined matrix structures. Zhur. vych. mat. i
mat. fiz. 3 no.4:777-780 J1-Ag '63. (MIRA 16:7)

SOSIS, P.

Mechanizing the calculation of structures on key automatic
machines. Prom. stroi. i inzh. soor. 5 no. 5:56-58 S-O '63.
(MIRA 16:12)

SOSIS, Petr Moiseyevich; GNILUSHA, V.A., red.

[ALGOL-60 algorithmic language and its application in structural mechanics] Algoritmicheskii iazyk ALGOL-60 i primeneniye ego v stroitel'noi mekhanike. Kiev, Budivel'nyk, 1965. 170 p. (MIRA 18:7)

USSR/ Human and Animal Physiology General Problems

T

Abs Jour: Ref Zhur-Biol., No 8, 1958, 36079.

Author : Fایتelberg-Blank, V.P., Sosiura, U.B.

Inst :

Title : Absorption of Radio Active Phosphorus from the
Pleural Cavity

Orig Pub: Bul. eksperim. biol i meditsiny, 1957, 43, No 3, prilozhenie, 64-68

Abstract: p³² in doses of 50 million impulses/1 mm/1 kg of body weight was injected in the pleural cavity of rabbits under manometric control. p³² appeared in the blood within 3 minutes, reaching its maximum concentration within 20-30 min. Within 2 hours p³² appeared in the liver and the lungs. Artificial pneumothorax slowed down the initial absorption, but after 2 hours its de-

Card : 1/2

SOSKA, FRANTISEK
CZECHOSLOVAKIA/Electricity/ Dielectrics

G-2

Abs Jour : Ref Zhur - Fizika, No 4, 1958, No 8540

Author : Soska Frantisek

Inst : Not Given

Title : Natural Frequency of Undamped Flexural Vibrations of Piezo-electric Rods.

Orig Pub : Ceskosl. casop. fys., 1957, 7, No 4, 369-377

Abstract : To determine the natural frequencies of the undamped flexural oscillations, an equation of the following form is solved:

$$\rho \frac{\partial^2 v}{\partial t^2} - \rho \frac{\partial^4 v}{\partial x^2 \partial t^2} - C \frac{\partial^2 v}{\partial x^2} + E \frac{\partial^4 v}{\partial x^4} = 0$$

where $I_0(x)$ is the moment of inertia, ρ is the density of the material, $E(x)$ is the value of the modulus of elasticity in the direction of the length of the rod (of height b). The computation is performed for a silicon rod of specified parameters.

Card : 1/1

SOSKA, F.

Substitute electric diagram of damping vibrations of piezoelectric rods.

p. 533 (CESKOSLOVENSKY CASOPIS PRO FYSIKU) Vol. 7, no. 5, 1957,
Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,
March 1958

Soska, F.

AUTHORS: Beneš, F. and Soška, F. CZECH/37-58-6-3/30
TITLE: Shear Motion of a System of Material Points and of Bodies
With a Continuous Distribution of the Matter (Střilný
pohyb soustav hmotných bodů a tělesa s hmotou spojitě
rozloženou)
PERIODICAL: Československý časopis Pro Fysiku, 1958, Nr 6,
pp 650 - 652 (Czech)
ABSTRACT: New concepts are introduced which characterise shear
motion. The equations of motion are derived for systems con-
sisting of material points and for a body with a continu-
ous distribution of matter. The terms introduced here
for the shear motion show a formal similarity to the terms
relating to rotary movement but are not derived from
those. The justification for introducing the given
new terms was proved during the study of shear oscillations
relative to a plane. The shear oscillations relative to a
surface can be described by these new terms only as long as
they occur sufficiently near/OF if the shear surface can be
substituted by a plane. There are 1 figure and 1 Czech
reference.
ASSOCIATION: Katedra matematiky a fyziky VŠB, Liberec (Chair of
Mathematics and Physics of VŠB, Liberec)
SUBMITTED: March 20, 1958
Card 1/1

CZECHOSLOVAKIA/Acoustics - Electroacoustics and Technical Acoustics J-6

Abs Jour : Ref Zhur - Fizika, No 12, 1958, No 28426

Author : Soska Frantisok

Inst : Not Given

Title : Electric Equivalent Circuit of Damped Shear Oscillations in
Piezoelectric Rods.

Orig Pub : Obukhosl. fiz. zh., 1958, 8, No 1, 17-31

Abstract : The author derives the differential equation of motion for
shear oscillations in a piezoelectric rod with external and
internal damping, solves the equation, and determines the
elements of the electric equivalent circuit.

Card : 1/1

Z/508/60/000/000/018/018
E192/E335

AUTHOR: Soska, F.
TITLE: Influence of the nonhomogeneity of the electric field on the values of the equivalent electrical circuit of the oscillations in piezoelectric rods
SOURCE: III. Konference o monokrystalech. Prague. Výzkumný ústav pro minerály, 1960. 292 - 296
TEXT: The inverse piezoelectric effect in a homogeneous electric field of a strength

$$E_z(t) = \frac{V_0 e^{i\omega t}}{a} \left[g^{1/2} \text{cm}^{-1/2} \text{s}^{-1} \right] \quad (1)$$

produces in each internal cross-section $\gamma(x)$ of a piezoelectric rod a voltage:

$$e_{ik} \frac{V_0}{a} e^{i\omega t} \quad (2)$$

which is added to various modes of oscillations, depending on the magnitude of the piezoelectric modulus e_{ik} . The electric exciting field between the opposite electrodes is not ideally homogeneous so that the assumed voltage distribution in the rod
Card 1/3

Z/508/60/000/000/018/018
E192/E335

Influence of

and a function $\xi(x)$ describing it are not sufficiently accurate. Therefore, the values of the parameters of the equivalent electric circuit for various oscillation modes in piezoelectric rods are not accurate and it is necessary to introduce a correction factor by taking into account the nonhomogeneity of the exciting field. At any point of the axis O_1 (see Fig. 1), the overall field strength of the exciting field is:

$$E_a(x, \frac{b}{2}, \frac{\bar{a}}{2}) = \frac{V_0}{\bar{a}\bar{a}} \left\{ \arctan \frac{2bx}{\bar{a}\sqrt{4x^2 + \bar{a}^2 + b^2}} + \arctan \frac{2b(l-x)}{\bar{a}\sqrt{4(l-x)^2 + \bar{a}^2 + b^2}} \right\} \quad (3).$$

By using this formula it is shown that the corrected values of the equivalent parameters of the circuit are given by:

$$\left. \begin{aligned} *L_{1a}(\gamma) &= \frac{\rho \bar{a}^2 l}{2 \epsilon_{31}^2 ab [\Phi_{1a}(\gamma)]^2} \\ *C_{1a}(\gamma) &= \frac{2 \epsilon_{31}^2 s_{11} ab l [\Phi_{1a}(\gamma)]^2}{\gamma^2 \sqrt{1 - \bar{a}^2}} \\ *R_{1a}(\gamma) &= \frac{\bar{a}^2 (s_{11} l^2 + \gamma^2 s_{11}^2 ab)}{2 \epsilon_{31}^2 s_{11} \bar{a}^2 b^2 l [\Phi_{1a}(\gamma)]^2} \end{aligned} \right\} \quad (12)$$

ward 2/3

Influence of

Z/508/60/000/000/018/018
E192/E335

where:

$$\Phi_{1a}(\nu) = \frac{2}{\pi} (-1 + \cos \nu\pi) \arctg \frac{2 \sqrt{b}}{a \sqrt{4\ell^2 + a^2 + b^2}} \quad (11)!!$$

There is 1 figure.

ASSOCIATION: Vysoká škola strojní, Liberec
(Technical University, Liberec)

Card 3/3

ACCESSION NR: AP4026363

Z/0055/64/014/003/0189/0195

AUTHOR: Benes, F.; Soska, F.

TITLE: Influence of a magnetic field on a vibrating piezoelectric medium...

SOURCE: Chekhoslovatskiy fizicheskiy zhurnal, v. 14, no. 3, 1964, 189-195

TOPIC TAGS: magnetic field, harmonic oscillator, dipole, piezoelectric crystal, dipole

ABSTRACT: The idea of influencing the frequency of a piezoelectric crystal by a stationary electric field for the purpose of standardization was first discussed by Vilbig (Lehrbuch der Hochfrequenztechnik II, Leipzig, 109, 1958). If an attempt is made to observe a vibrating piezoelectric medium as a system of dipoles (harmonic oscillators) during a qualitative description of this effect (and only in first approximation), it is found that an electric field polarizes this system and deflects the trajectory of the oscillator somewhat from the original direction but neither bends nor changes the directional force of the oscillator. However, since the resonance frequency of the oscillator changes (obviously due to the influence of the interaction between the dipoles of the system), the directional force k , and with it the frequency ω_0 , must also change according to the equation

Cord 1/2

ACCESSION NR: AP4026363

$$\omega_0^2 = \frac{k}{m}$$

The influence of a magnetic field on a system of harmonic oscillators is manifested in another way. Its influence causes not only another type of interaction between the oscillators (and thus a possible change in the material constants) but also a change in the frequency of an oscillator which has been produced by the curvature of its trajectory. The author studies the influence of a magnetic field on the frequency of piezoelectric crystals in the above sense. Orig. art. has: 3 figures and 20 equations.

ASSOCIATION: Department of Physics, Technical University, Liberec

SUBMITTED: 10Jun63

DATE ACQ: 15Apr64

ENCL: 00

SUB CODE: MM

NO REF SOV: 001

OTHER: 005

Card 2/2

SOSKA, J.; STEFKA, K.

An automatic double-row fraction collector. p. 192.

CHEMICKE LISTY. (Ceskoslovenska akademie ved. Chemicky ustav) Praha,
Czechoslovakia, Vol. 53, no. 2, Feb. 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11, Nov. 1959
uncl.

SOSKA, J.

CSSR

2

BILY, B., SOSKA J.

1st Stomatological Clinic of the Medical faculty of the J.Ev.Purkyně
University, Brno (I. stomatologická klinika lékařské fakulty UJEP),
director: Prof. Dr M. Filipinsky; CSAV Biophysical Institute (CSAV
Biofyzikální ústav), Brno, director: academician F. Hradek

Prague, Československá stomatologie, No 1, 1963, pp 25-36

"Effect of X-irradiation on the Rodent Tooth of the Rat"

BENES, L.; SOSKA, J.

Competition between ^3H -thymidine and 5-methyldeoxycytidine incorporation into bone marrow deoxyribonucleic acid. Folia biol. 9 no.1:75-76 '63.

1. Institute of Biophysics, Czechoslovak Academy of Sciences, Brno.
(THYMIDINE) (NUCLEOSIDES) (TRITIUM) (DNA)
(BONE MARROW)

BENES, L.; SOSKA, J.; LUKASOVA, Emilie

The acid-soluble deoxyriboside and deoxyribotide pool and deoxyrinonucleic acid synthesis in haematopoietic tissues of normal and irradiated animals. Folia biol. (Praha) 11 no.2:123-133 '65

1. Institute of Biophysics, Czechoslovak Academy of Sciences, Brno,

Country : CZECHOSLOVAKIA
 Category= : Human and Animal Physiology. T
 Effects of Physical Factors. Ionizing Radiation.
 Abs. Jour. : Ref Zhur-Biol., No 23, 1958, 106879
 Author : Soska, Jiri; Drasil, Vladimir
 Institut. : -
 Title : The Protective Activity of Hematopoietic Tissue
 in Radiation Sickness. I. The Survival of Mice
 after Irradiation and Hematopoietic Tissue*
 Orig. Pub. : Ceskol. biol., 1957, 6, No 3, 161-169

Abstract : After a general X-ray irradiation with a single
 dose of 547-700 r. the effects of
 splenic and bone marrow tissues on the course
 of radiation sickness were investigated in white
 mice. When the shielding of the spleen was ope-
 ratively and experimentally effected in prelimi-
 nary experiments, 42.5 percent of the animals
 survived at DL 100 percent. Single intravenous
 injections of splenic homogenates (SH) obtained
 from adult mice (in the proportion of 30 mg of

Card: 1/4 *Injections.

Country : CZECHOSLOVAKIA
 Category : Human and Animal Physiology. T
 Effects of Physical Factors. Ionizing Radiation.
 Abs. Jour. : Ref Zhur-Biol., No 23, 1958, 106879
 Author :
 Institut. :
 Title :

Orig Pub. :

Abstract :
 (cont) tissue per 1 ml physiological solution), admini-
 stered immediately after a 600 r irradiation,
 increased the survival rate by 22 percent and
 lengthened the life span by 54 percent. Micro-
 scopic examinations of SH revealed the presence
 of 50 percent viable cells (eosin test). Intra-
 venous injection of bone marrow suspension (5
 mg of the donor's tissue per mouse) increased
 the survival rate by 48 percent. The donors'

Card: 2/4

Country : CZECHOSLOVAKIA
 Category= : Human and Animal Physiology. T
 Effects of Physical Factors. Ionizing Radiation.
 Abs, Jour. : Ref Zhur-Biol., No 23, 1958, 106879
 Author :
 Institut. :
 Title :
 Orig. Pub. :
 Abstract :
 (cont) preliminary anemization did not increase SH ef-
 fectiveness materially. SH obtained from 1-3
 days old baby-mice increased the survival rate
 by 58 percent and the span of life by 112 per-
 cent. 20 hours after irradiation SH was ap-
 plied, some theapeutic effects were also attai-
 ned. Intraperitoneal graftings of spleen parts
 and introduction of bone marrow suspensions or
 of SH intraperitoneally proved ineffective. The
 Card: 3/4

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Country : CZECHOSLOVAKIA
Category= : Human and Animal Physiology. T
Effects of Physical Factors. Ionizing Radiation.
Abs, Jour. : Ref Zhur-Biol., No 23, 1958, 106880
Author : Soska, Jiri
Institut. : -
Title : The Protective Activity of Hematopoietic Tissue
in Radiation Sickness. II. The Restoration of
Splenic Hematosis after Irradiation and Injec-
Orig. Pub. : Ceskosl. biol., 1957, 6, No 5, 339-342
Abstract : Determining the weight of the spleen on the 7th-
day after irradiation proved to be a simple
fast and a sensitive indicator of biolo-
gical tissue suspension activity.

Card: 1/1
*tion of Splenic Cell Suspension.

EXCERPTA MEDICA Sec 16 Vol 7/2 Cancer Feb 59

581. *Protective effect of haematopoietic tissue in the irradiation syndrome. IV. Effectiveness of some fractions of spleen homogenate* Ochranný vliv krvetvorné tkáně v nemoci z ozáření. IV. Účinnost některých frakcí slezinného homogenátu. SOŠKA J. and DRÁŠIL V. Biofys. Úst. ČSAV, Brno Čsl. Biol. 1958, 7/1 (23-29) Graphs 4 Tables 2

The nuclear fraction of spleen homogenate with living cells caused some reduction in mortality and had a favourable effect on the course of weight changes. Nuclei were less effective than whole homogenate; however, mortality was affected at a different time and regeneration of the spleen was not accelerated by the nuclear fraction. The cytoplasmic fraction had virtually no effect. Spleen extracts to some extent accelerated regeneration of haematopoiesis and a return to normal weight, but considerably less than the whole homogenate. At the same time mouse spleen extracts had a mildly toxic effect. The homogenate is fully effective only if cells are present; but the above experiments do not exclude the possibility of secondary effect by stimulant substances produced by the cells.

CZECHOSLOVAKIA/Human and Animal Physiology - The Effect of
Physical Factors. Ionizing Radiation.

T

Abs Jour : Ref Zhur Biol., No 3, 1959, 13372

Author : Soska, Jiri

Inst :

Title : Inactivation of Suspensions of Tissues Having
Protective Action after Radiation

Orig Pub : Ceskosl. biol., 1958, 7, No 1, 30-34

Abstract : Irradiated mice were injected intravenously with a
suspension (S) of cells of the spleen, and regenera-
tion of the spleen tissue was observed. S lost acti-
vity from heating at 56 degrees, from radiation
(higher than 100 - 200 r), from lypholization of the
spleen, and from freezing and thawing of S. Inacti-
vation of S occurred both with its radiation and with
radiation of mice from the spleen of which S was pre-
pared. Viable cells were the effective component

Card 1/2

Soška J.
EXCERPTA MEDICA Sec 5 Vol 12/2 Gen. Path. Feb 59

356. AN ATTEMPT TO IDENTIFY INJECTED CELLULAR MATERIAL IN IRRADIATED MICE - Pokus o identifikaci vstříknutého beněčného materiálu v ozářených myších - *Soška J.*, Drášil V. and Karpfel Z. Biofys. Ust. ČSAV, Brno - ČSL. BIOL. 1958, 7/4 (271-274) Graphs 6 Illus. 3

If irradiated mice are injected with a suspension of spleen or bone marrow cells, regeneration of haematopoiesis is accelerated and survival is increased. In recent years evidence has been accumulating that the basis of this protective effect is transplantation of the injected haematopoietic cells, which proliferate in the irradiated organism. On using non-inbred animals, it was observed that the degree of protection was small and that death was only postponed. Since the authors assumed that this was due to an immunity reaction, a comparison was made of the effectiveness of spleen cells from young mice, adult mice and from the animals' own spleens, taken before irradiation. The results were evaluated according to survival, body weight and the effect on haematopoiesis and DNA synthesis. The material from young animals had a temporary protective effect, that from adult mice increased mortality, although regeneration of haematopoiesis and DNA synthesis were also accelerated, while the material from the animals' own spleens had a favourable effect in every respect. Since regeneration of haematopoiesis was also accelerated on using foreign cells, a further experiment was carried out, in which an attempt was made to identify them in regenerating spleen: In the first part of the experiment, spleen cells from splenectomized donors were injected into irradiated intermediate hosts. A week later these were killed and a suspension prepared from their spleens, part of which was reinjected into the original just irradiated donor and part into another irradiated mouse. A protective effect was observed only in the donors; the same suspension had no protective effect on other mice. The results indicate that the spleens of the intermediate hosts contained proliferating donor haematopoietic cells.

(V, 14, 16)

KARPFEL', Z. [Karpfel, Z.]; SOSHKA, Yu. [Soška, J.]; DRASHIL, V. [Drášil, V.]

Effect of some neucleotides and nucleosides on the regeneration of hemopoietic tissues following irradiation [with summary in English]. Biofizika 4 no.1:64-70 Ja '59. (MIRA 12:1)

1. Institut biofiziki Chekhoslovatskoy akademii nauk.

(NUCLEOSIDES AND NUCLEOTIDES, effects,
on hemopoietic regen. after irradiation in
animals (Rus))

(HEMOPOIETIC SYSTEM, effect of radiations,
eff. of nucleosides & nucleotides on post-irradiation
regen. (Rus))

(RADIATIONS, eff.
on hemopoietic system, eff. of nucleosides &
nucleotides on regen. (Rus))

SOSKA, J.; DRASIL, V.; KARPPEL, Z.; SOSKOVA, L.; PALECEK, E.; BENES, L.

Significance of desoxyribonucleides in irradiated organism. Cesk. fysiolog. 8 no.3:247-248 Apr 59.

1. Biofyzikalni ustav CSAV v Brne a Biologicky ustav lek. fakulty v Brne. Predneseno na III. fysiologickych dnech v Brne dne 15. 1. 1959.

(RADIATIONS, eff.

desoxyribonucleic acid activity in irradiated animal
as index of effectiveness of transpl. hemopoietic
tissue (Cz))

(DESOXYRIBONUCLEIC ACIDS, metab.

in irradiated animals, as index of effectiveness of
transpl. of hemopoietic tissues (Cz))

(HEMOPOIETIC SYSTEM, transpl.

desoxyribonucleic acid activity in irradiated animals
as index of effectiveness of transpl. (Cz))

SOSKA, J.; KRATKY, A.

Certain neuro-endocrine findings in female climacteric. Cesk.
gyn. 25[39] no.1/2:32-35. Mr'60.

1. Ipor.-gyn. klinika university v Brne, prednosta prof.dr..L.
Havlascek, Ustav pro vyzkum a lecbu neuroz pri Stat. psych. lecebne
v Brne, prednosta dr. A. Kratky.

(MENOPAUSE compl.)

(NEUROLOGY)

(MENTAL DISORDERS etiol.)

DRASIL, V.; KARPPEL, Z.; SOSKA, J.

Bone marrow transplantation as an indicator of the absence of Mitosis inhibitors in irradiated mice. Folia biol. 7 no.6:409-411 '61.

1. Institute of Biophysics, Czechoslovak Academy of Sciences, Brno.
(CELL DIVISION radiation eff.)
(BONE MARROW transpl.)

SEDLACEK, V.; SOSKA, J.

Treatment of juvenile hemorrhage with diathermy of the diencephalon-hypophysial system. Cesk. gyn. 26[40] no.6:453-456 JI '61.

1. I gyn. por. klin. UJEvP v Brne, prednosta prof. MUDr. Ludvik Havlasek.

(MENORRHAGIA AND METRORRHAGIA in adolescence)
(DIATHERMY) (DIENTEPHALON) (PITUITARY GLAND)

SOSKA, J.; SKALKA, M.; BEZDEK, M.

Effect of ionizing radiation on the free deoxyribonucleoside and deoxyribonucleotide content of regenerating rat liver. Folia biol. 8 no.4:239-250 '62.

1. Institute of Biophysics, Czechoslovak Academy of Sciences, Brno.
(RADIATION EFFECTS experimental) (LIVER experimental)
(NUCLEOSIDES AND NUCLEOTIDES chemistry)

SEDLACEK, V., SOSKA, J.

Acetylcholine in the treatment of menstrual disorders. Cesk. gyn.
27[41] no.4:265-268 My '62.

1. I gyn. por. klin. UJEP v Brne, prednosta prof. MUDr. L.Havlassek.
(MENSTRUATION DISORDERS therapy)
(ACETYLCHOLINE therapy)

- [illegible]

2/3

SOSKAT, Jan

SOSKA J.; SRACEK, J. (Brno, fakultni nemocnice)

Efficacy of hormone therapy in climacteric bleeding. Cesk. gynek.
30 no.1:18-22 Mr'65.

1. I. gyn.-por. klinika lekarske fakulty University J.E. Purkyně
v Brně (prednosta: prof. dr. L. Havlasek [deceased]).

CZECHOSLOVAKIA

LUKASOVA, E.; BOHACEK, J.; SOSKA, J.

Institute of Biophysics, Czechoslovak Academy of Sciences,
Brno - (for all).

Prague, Collection of Czechoslovak Chemical Communications,
No 11, November 1965, pp 3972-3975.

"Separation of the alkaline hydrolysate of ribonucleic acid
on Dowex 1 using concentration gradients of chloride ions
and p^H ".

L 13548-66 EWA(j)/T/EWA(b)-2 JK

ACC NR: AP6006006

SOURCE CODE: CZ/0053/65/014/004/0275/0275

AUTHOR: Bezdek, M.; Soska, J.; Reich, J.; Lukasova, E.

ORG: Biophysics Institute CSAV, Brno (Biofysikalni ustav CSAV)

TITLE: Regulation of the synthesis of nucleic acids in thermobacterium acidophilum
[This paper was presented during Biophysical Days, Brno, 12 June 1964.]

SOURCE: Ceskoslovenska fysiologie, v. 14, no. 4, 1965, 275

TOPIC TAGS: biosynthesis, RNA, DNA, biochemistry, nucleic acid, bacteria, amino acid, glutamic acid, radioisotope, tracer study

ABSTRACT: Effect of deprivation of glutamic acid, tyrosine and leucine on RNA and DNA formation with or without chloramphenicol in the medium was studied with leucine-C¹⁴, orotic acid-C¹⁴ and thymidine-H³. Conclusion was that the biosynthetic control mechanisms for DNA and RNA are relatively independent of each other. [JPRS]

SUB CODE: 06 / SUBM DATE: none

1/1 NW

SOSKA, TEODOR.

Beitrag zur Kenntnis der Schluchtenflora von Mazedonien;
die Schluchten um Strumica und Valandovo. Skopje, 1953.
17 p. (Skopje, Yugoslavia. Prirodonaucni muzej. Izdania.
Acta, t. 1, no. 3)

SOURCE: East European Accessions List, (EEAL) Library
of Congress, Vol. 5, No. 8, August, 1956.

POLTORYGIN, V.K.; SOSKIN, A., red.; SERBIN, Ye., tekhn. red.

[Economics of construction; a visual aid] Ekonomika
stroitel'stva; nagliadnoe posobie. Moskva, Politizdat,
1963. 79 p. (MIRA 17:2)

STAKAN, G.A.; SOSKIN, A.A.; VOVCHENKO, F.Ya.

Method of rating herd rams by the quality of the progeny. Izv.
Sib. otd. AN SSSR no.11:103-113 '61. (MIRA 15:1)
(Rams)

STAKAN, G.A.; SOSKIN, A.A.

Effect of environmental conditions on the inheritance of
characters. Izv. Sib. otd. AN SSSR no.12:145-148 '62.
(MIRA 17:8)

1. Institut tsitologii i genetiki Sibirskogo otdeleniya
AN SSSR, Novosibirsk.

STAKAN, G.A.; SOSKIN, A.A.; VOVCHENKO, F.Ya.

Heritability of some characters in fine-wool sheep. Biul.
MOIP. Otd. biol. 68 no.6:122-132 N-D '63.

(MIRA 17:1)

STAKAN, G.A.; SOSKIN, A.A.; VOVCHENKO, F.Ya.

Heritability of live weight in fine-wool sheep. Izv. SO AN SSSR
no.8 Ser. biol.-med. nauk no.2:109-116 '64 (MIRA 18:1)

1. Institut tsitologii i genetiki Sibirskogo otdeleniya AN SSSR,
Novosibirsk.

STAKAN, G.A.; SOSKIN, A.A.; NIKORO, Z.S., otv. red.; GREBENNIKOVA,
M.M., red.

[Heritability of economically useful indices in fine-wool
sheep] Nasleduemost' khoziaistvenno poleznykh priznakov u
tonkorunnykh ovets. Novosibirsk, Redaktsionno-izdatel'skiy
otdel Sibirskogo otd-niia AN SSSR, 1965. 158 p.
(MIRA 18:9)

SOSKIN, A.M.

Diagnostic and prognostic significance of the reaction of the determination of the "third fraction" of the blood in the clinical aspects of pulmonary tuberculosis. Zdrav.Belor. 3 no.10: 12-17 0 '57. (MIRA 13:6)

1. Iz Svetilovichskoy sel'skoy rayonnoy bol'nitsy Gome'skoy oblasti (glavnyy vrach S.S. Tarasik).
(BLOOD--EXAMINATION) (TUBERCULOSIS)

SOSKIN, A.M.

Importance of the color sedimentation test of the urine in the clinical aspects of pulmonary tuberculosis. Zdrav. Belor. 5 no.10:52-54 0 '59.
(MIRA 13:2)

1. Gomel'skaya oblastnaya tubbol'nitsa (glavnyy vrach A.P. Bondarenko).
(URINE--ANALYSIS AND PATHOLOGY) (TUBERCULOSIS)

SOSKIN, A.M.

Repercussive effects of pulmonary tuberculosis. Probl.tub.
no.44:107-108 '61. (MIRA 14:12)

1. Iz Gomel'skoy oblastnoy tuberkuleznoy bol'nitsy (glavnyy
vrach A.P. Bondarenko).
(TUBERCULOSIS) (NERVES, PERIPHERAL)

SOSKIN, A.M.

Permeability of the histohematic barriers in experimental tuberculosis and the simultaneous administration of antibacterial preparations and tuberculin. Probl.tub. no.7:78-82 '62.

(MIRA 15:12)

1. Iz kafedry tuberkuleza (zav. - zasluzhennyy deyatel' nauki prof. A.Ye.Rabukhin) i kafedry meditsinskoy radiologii (zav. - prof. V.K.Modestov) Tsentral'nogo instituta usovershenstvovaniya vrachey, Moskva.
(TUBERCULOSIS) (TUBERCULIN) (BLOOD VESSELS—PERMEABILITY)

SOSKIN, A.M.

Distribution of labeled phthivazide in the organs of healthy
and tuberculous guinea pigs. Farmakol. toksik. 26 no.3:
348-355 My-Je'63 (MIRA 17:2)

1. Kafedra tuberkuleza (zav. - zasluzhennyy deyatel' nauki prof.
A.Ye. Rabukhin) i kafedra meditsinskoy radiologii (zav. - prof.
V.K.Modestov) Tsentral'nogo instituta usovershenstvovaniya
vrachey.

SOSKIN, A.M.

Dynamic study of the permeability of capillary blood vessels in experimental tuberculosis. Akt. vop. tub. no.2:33-43 '63.

Distribution of tagged phthivazide in the organs in experimental tuberculosis and the effect of cortisone and tuberculin on this process. Akt. vop. tub. no.2:44-53 '63. (MIRA 17:9)

SOSKIN, A. M.

Effect of cortisone on phthivazide in the blood and tissues of
the internal organs. Antibiotiki 8 no.8:732-736 Ag '63.
(MIRA 17:5)

1. Kafedra tuberkuleza (zav. - prof. Ye.A. Rabukhin), kafedra
meditsinskoy radiologii (zav. - prof. V.K. Modestov) TSentral'nogo
instituta usovershenstvovaniya vrachey i rentgeno-radiatsionnyy otdel
(zav. - prof. V.I. Petrov) Moskovskogo oblastnogo nauchno-issledovatel'-
skogo klinicheskogo instituta.

KOVALEVA, A.F.; KOROILEV, S.A.; KOCHETOVSKAYA, T.N.; LARIONOV, M.P.;
MARTYHENKO, L.M.; SAVEL'YEV, Ye.A.; KOZLOV, G.A., otv.
red.; SOSKIN, A.M., red.

[Album of visual aids on economics; the section "Sosialism."]
Al'bom nagliadnykh posobii po politicheskoi ekonomii; razdel
"Sotsializm." Leningrad, Gospolitizdat, 1960. 40 plates
(MIRA 15:11)

(Economics—Audio-visual aids)

185T56

USSR/Engineering - Foundry, Magnets Feb 51

"Utilization of Scrap Metal in Casting Permanent Magnets," D. S. Soskin, Cand Tech Sci, NIIAVto-pribor

"Litsey Proiz" No 2, pp 33, 34

Exptl data show possibility of using scrap up to 100% of melt with addn of 1% Al. With addn of 0.2-0.5% Al coercive force is considerably decreased and residual induction is decreased to lesser extent. On adding 1.5% Al coercive force increases somewhat but residual induction decreases

185T56

USSR/Engineering - Foundry Magnets Feb 51
(Contd)

greatly. Two alloys examd were 15% Co, 20% Ni, 9% Al, 4% Cu, 52% Fe and 23.5% Ni, 14.5% Al, 4.5% Cu, 57.5% Fe.

SOSKIN, D. S.

SOSKIN, D. S.

USSR/Metals - Foundry, Methods

Aug 51

"New Technology for Casting Rotors," D. S. Soskin,
Cand Tech Sci, NIIAvtopribor

"Litey Proiz" No 8, p 26

Reviews methods of casting blanks for magnets of tractor generators. Methods used in Altay and Kuybyshev plants proved inefficient due to large allowances for finishing. Describes new mold-making method which provides for removal of patterns through opening in top board of working table. Castings obtained by new process have cylindrical shape with 0.3-0.7 mm allowance for finishing.

197T80

SOSKIN, D.S., kandidat tekhnicheskikh nauk.

Cupola-furnace spark quencher. Lit.proizv. no.11:28-29 N '56.
(MIRA 10:1)

(Moscow—Cupola—Furnaces)
(Sparks)

AUTHOR: Soskin, D.S., Arabey, B.G. SOV-128-58-10-13/19

TITLE: Boxless-Stack Machine Molding (Bezopochno-stopochnaya mashinnaya formovka)

PERIODICAL: Liteynoye proizvodstvo, 1958, Nr 10, p 30 (USSR)

ABSTRACT: Boxless-stack machine molding is described and is recommended for small and medium-sized foundries, to save space. The advantages consist in a high annual yield per square m of molding space, a high productivity of the machine, noiseless operation, maximum utilization of the equipment (due to double-sided extrusion), a minimum consumption of molding mixture and metal, and the lack of need for a large number of boxes. There are 2 diagrams.

1. Metals--Molding 2. Machines--Applications 3. Molding material--Processing

Card 1/1

SOSKIN, D.S.

Standardization of die-casting molds. Standartizatsiia 26 no.4:
18-23 Ap '62. (MIRA 15:3)
(Die casting--Equipment and supplies)

SOSKIN, D.S.

Standardization of technical equipment for centrifugal casting.
Standartizatsiia 27 no.12:23-24 D '63. (MIRA 17:4)

OZEROV, V.A.; SOSKIN, D.S.; MARKOVA, M.V.

Standardization of gating-pouring systems for precision casting.
Lit.proizv. no.10:3-7 0 '64. (MIRA 18:4)

SOSKIN, D.S.

Standardizing the equipment and tools for precision casting.

Lit. proizv. no.3:13-14 Mr '65.

(MIRA 18:6)

POSKIN, D.S.; NESTEROV, M.A.

Assembly of wax patterns for the gating system for precision
casting. Lit. proizv. no.347 Mz '65. (MIRA 1886)

GREYSUKH, Moisey Vul'fovich; SOSKIN, E.A., red.; KISELEVA, T.I.,
red.izd-va; VAYNSHTEYN, Ye.B., tekhn.red.

[Electric equipment of ore dressing and sintering plants]
Elektrooborudovanie obogatitel'nykh i aglomeratsionnykh fabrik.
Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po cherno i tsvetnoi
metallurgii, 1960. 350 p. (MIRA 13:12)

(Ore dressing--Equipment and supplies)

(Sintering--Equipment and supplies)

SOSKIN, E.A.

Concerning I.A. Syromiatnikov's article "Automatic and remote control in industrial power supply systems." Prom. energ. 16 no.2:38-44 F '61. (MIRA 14:3)

1. Gosudarstvennyy proyektnyy institut "Tyazhpromelektroproyekt" (for Soskin). 2. Krivorozhskiy gornorudnyy institut (for Faynshteyn).

(Electric power distribution)(Automatic control)

(Remote control)

(Syromiatnikov, I.A.)

LEYBZON, Ya.I.; MILICH, M.B.; SOSKIN, E.A.

Concerning the necessary precision of the telemetry measurements at dispatcher controlled centers of the industrial electric power supply systems. Prom. energ. 16 no.4:31-34 Ap '61.

(MIRA 14:9)

(Telemetering) (Electric power distribution)

ANASTASIYEV, P.I.; BROSTREY, A.A.; VESHENEVSKIY, S.N.; GEL'MAN, G.A.;
 GORNSHTEYN, L.A.; ZIMENKOV, M.G.; KARVOVSKIY, G.A.;
 KIBLITSKIY, V.A.; KLEYN, P.N.; KLIMIKSEYEV, V.M.; KLYUYEV,
 S.A.; KNORRING, G.M.; KORENEVSKIY, A.N.; LEYBZON, Ya.I.;
 LIVSHITS, D.S.; LIGERMAN, I.I.; LOGINOV, O.I.; MILICH, M.B.;
 NAYFEL'D, M.R.; OKOROKOV, S.P.; POLYAK, A.B.; ROYZEN, S.S.;
 RYABOV, M.S.; SINITSYN, O.A.; SOLODUKHO, Ya.Yu.; SOSKIN, E.A.;
 STASYUK, V.N.; BOL'SHAM, Ya.M., red.; GRACHEV, V.A., red.;
 SAMOVER, M.L., red.; BORICHEV, I. Ye., red.; DANILENKO, A.I.,
 red.; KHRAMUSHIN, A.M., red.; YAKUBOVSKIY, F.B., red.;
 BRENDENBURGSKAYA, E.Ya., red.; KOMAR, M.A., red.; BORUNOV,
 N.I., tekhn. red.

[Handbook on electrical systems of industrial enterprises
 in four volumes] Spravochnik po elektroustanovkam promyshlen-
 nykh predpriyatii v chetyrekh tomakh. Pod obshchey red. I.E.
 Boricheva i dr. Moskva, Gosenergoizdat. Vol.1. [Design of
 electrical systems of industrial enterprises in two parts]
 Proektirovaniye elektroustanovok promyshlennyykh predpriyatii
 v dvukh chastiakh. Pt.2. Pod red. I.A.M.Bol'shama i dr.
 1963. 598 p. (MIRA 17:3)

GOL'DGOF, Boris Grigor'yevich; LEYBZON, Yakov Izrailevich;
SOSKIN, Emil' Arturovich; MILLER, G.R., kand. tekhn. nauk,
retsenzent; SHELKOVNIKOV, N.I., inzh., retsenzent;
AVINOVITSKIY, I.Ya., red.:

[Automatic and remote control of the power supply networks
of industrial enterprises] Avtomatizatsiia i telemekhaniza-
tsiia energosnabzheniia promyshlennykh predpriatii. Mo-
skva, Izd-vo "Energiia," 1964. 279 p. (MIRA 17:5)

SOSKIN, G., kand.tekhn.nauk; PORTNOY, L., inzh.

Sidewalks made of cement-sand slabs. Zhil.-kom. khoz. 13
no.4:26 Ap '63.

(MIRA 16:5)

(Sidewalks)

SOSKIN, G.B.; KOREPANOV, P.I.

Experience in the operation of a semiautomatic mail sorting system. Vest. svyazi 20 no. 12:15 D '60. (MIRA 13:12)

1. Glavnyy konstruktor proyekta Tsentral'nogo konstruktorskogo byuro Ministerstva svyazi SSSR (for Soskin). 2. Glavnyy inzhener Kiyevskogo pochtamta (for Korepanov).
(Kiev--Postal service)

GUREVICH, L. V., kand.tekhn.nauk; SOSKIN, G. M., kand.tekhn.nauk

Precast street and sidewalk pavement. Nov.tekh.zhil.-kom.khoz.:
Gor.dor.-most.khoz. i transp. no. 2:5-9 '63. (MIRA 17:5)

GUREVICH, L. V., kand.tekhn.nauk; GURFINK, T. Sh., inzh.; SOSKIN, G. M.,
kand. tekhn. nauk

Landscaping and problems in designing city streets. Nov.tekh.
zhil.-kom.khoz.:Gor.dor.-most.khoz. i transp. no. 2:9-12 '63.
(MIRA 17:5)

MAYDEL', V., kand.tekhn.nauk; SOSKIN, G., inzh.

Colored concrete in road construction. Na stroi.Mosk. 1 no.10:25-26
0 '58. (MIRA 11:12)
(Pavements, Concrete) (Traffic signs and signals)

SOSKIN, G., inzh.

Machine for cutting seams in hardened road surface concretes.
Na stroi. Mosk. no. 1:23 Ja '59. (MIRA 12:1)
(Pavements, Concrete)

SOSKIN, G.M., Cand Tech Sci -- (diss) "Research into the effect of temperature and humidity on deformation in concrete street coverings in the city of Moscow." Moscow, 1960. 26 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Order of Labor Red Banner Construction Engineering Inst im V. V. Kuybyshev); 130 copies; price not given; (KL, 26-60, 138)

SOSKIN, G.M.

Designs of street pavements and sidewalks. Gor.khoz.Mosk.
34 no.5:28-31 My '60. (MIRA 13:7)

1. Nauchno-issledovatel'skiy institut Mosstroy.
(Road construction)

SOSKIN, G., kand.tekhn.nauk

Building concrete city streets. Zhil.-kom.khoz. 11 no.6:26-28
Je '61. (MIRA 14:7)

(Roads, Concrete)

SOSKIN, G.M., kand.tekhn.nauk

Function of the thickness of the sand layer under the concrete
coating. Avt.dor. 24 no.4:8-10 Ap '61. (MIRA 14:5)
(Roads, Concrete)

SOSKIN, I. M.

Currents Off the Murmansk Coast. Works of the GOIN, No. 2, 1947 (3-23).

SOSKIN, I. M. and TIMONOV, V. V. (Editors)

"Works of the State Oceanographic Institute, Issue 30(42), Collection of Works on the Method of Study of Maritime Currents and Tidal Phenomena," Leningrad Hydrometeorological Press, 1955. 290 pp.

SOSKIN, I.M.

Long range variations of slainity in the Baltic Sea. Trudy GOIN
no. 32:38-78 '56.

(MIRA 10:1)

(Baltic Sea--Salinity)

SOSKIN, I.M.; MESHCHERSKIY, V.I.

Comparison of simultaneous readings of different current meters.

Trudy GOIN no.30:119-128 '55.

(MIRA 9:8)

(Ocean currents)

SOSKIN, I. M.

USSR/Physics of the Hydrosphere - Dynamics of Sea and Land Water, N-2

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 36251

Author: Soskin, I. M.

Institution: None

Title: A Method of Compilation of Navigation Charts of Flow and Tides of the Seas on the Basis of the Harmonic Constants of the Tide-Ebb Flows

Original

Periodical: Tr. Gos. okeanogr. in-ta, 1955, No 30, 242-272

Abstract: The initial data for the proposed method of plotting the charts are harmonic constants of the tide-ebb flows, which make it possible to take into account all the basic factors affecting the variations in the flow. The method of compiling the charts is considered separately for regions having a mixed type of tide and for regions characterized by a predominance of the half-daily type of tide. Methods of calculations are given for the 2 above cases. In principle, the schemes reduce to the performance of

Card 1/2

SOSKIN, I. M.

"Long-Term Variations of the Hydrological Characteristics in the Baltic,"

paper presented at the Meeting of the International Council for Exploration of the Sea, Annual Meeting, Bergen, Norway, 30 Sep - 8 Oct 57. Presented to Hydrographical Committee.

SOSKIN, I.M.; ROZOVA, L.V.

Water exchange between the Baltic Sea and the North Sea. Trudy GOIN
no.41:9-30 '57. (MIRA 11:9)
(Baltic Sea--Ocean currents) (North Sea--Ocean currents)

SOSKIN, I.M.; DENISOV, V.V.

Calculating the stationary horizontal water circulation in the Baltic
Sea for two types of wind fields. Trudy GOIN no.41:31-45 '57.
(MIRA 11:9)

(Baltic Sea--Ocean currents)

SOVKIN, V V

SOV/30-58-7-38/49

AUTHOR: Mostakhov, S. Ye.

TITLE: Dynamic and Thermal Interaction of the Atmosphere and Hydrosphere (Dinamicheskoye i teplovoye vzaimodeystviye atmo- i gidrosfery) Transactions of the Scientific Conference in Leningrad (Nauchnaya konferentsiya v Leningrade)

PERIODICAL: Vestnik Akademii nauk SSSR, 1958, Nr 7, pp. 128 - 129 (USSR)

ABSTRACT: This conference was held March 26th - March 29th at the invitation of the Committee of Oceanography attached to the Presidium of the AS USSR and of the Hydrometeorological Institute (Okeanograficheskaya Komissiya pri Prezidiume Akademii nauk SSSR i Gidrometeorologicheskiiy institut). It dealt with the problem of dynamic and thermal interaction of the atmosphere and hydrosphere in the northern part of the Atlantic Ocean (Atlanticheskiiy okean); and with the evaluation of the results of expedition work obtained so far as well as with a precise explanation of the research work to be carried out in future. These problems were included in the program of the International Geophysical Year. The following reports were heard:

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1) A.A.Girs on long term variations of the atmospheric circulation

Dynamic and Thermal Interaction of the Atmosphere and Hydrosphere. Transactions of the Scientific Conference in Leningrad 307/30-58-7-38/49

of the northern hemisphere.

2) I.M.Soskin on fluctuations of the activity of the sun as a basis of ~~extra~~ long-term forecasts of hydrological conditions of the ocean.

3) D.A.Drogaytsev on the long-term variations in the transmission of heat across the meridian in the atmosphere as basis for forecasts of water temperature on the meridian of Kola (Kol'skiy meridian).

4) K.N.Fedorov on the correlation between variations of the general circulation in the ocean and in the atmosphere in the North Atlantic.

5) A.I.Sorkina on the method of designing wind zone charts of the seas and oceans.

6) M.A.Valerianova on attempts of classification of the pressure fields above the North Atlantic for the purpose of computation of the currents and of the ice drift.

The evidence provided by the investigation of the current system in the North Atlantic are not sufficient for the solution of many problems of hydrodynamics. They are not far enough advanced for a practical utilization. According to the opinion of the

Card 2/4

Dynamic and Thermal Interaction of the Atmosphere and Hydrosphere. SOV/ 30-58-7-38/49
Transactions of the Scientific Conference in Leningrad

institutes; thus the results obtained are not completely comparable. As a conclusion informations were given on the progress and the plan of operation of the work of the interdepartmental expedition into the Atlantic Ocean and the lakes of Norway and Greenland (Mezhdudomstvennaya ekspeditsiya Atlanticheskogo okeana, Norvezhskogo i Grenlandskogo morey). The Member, Academy of Sciences, USSR, V.V. Shuleykin reported on research work carried out in 1957 in the course of a voyage on the ship "Sedov" in the Atlantic Ocean.

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